

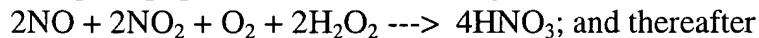
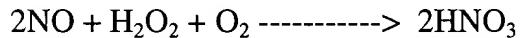
**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

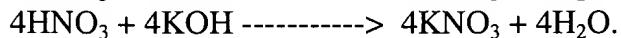
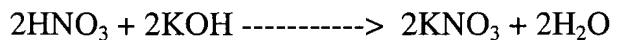
1-5. (Cancelled).

6. (Currently Amended) A process for reducing NO<sub>x</sub> emissions in a gaseous combustion effluent stream containing oxides of nitrogen NO and NO<sub>2</sub> and for producing a potassium nitrate fertilizer as a byproduct comprising the steps of:

a) adding hydrogen peroxide in aerosol form to the effluent stream in sufficient amounts to generate nitric acid by first stage reactions as follows:



b) adding sufficient potassium hydroxide in particulate form to the stream to generate the potassium nitrate fertilizer in second stage reactions as follows:

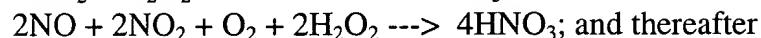
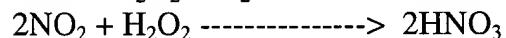
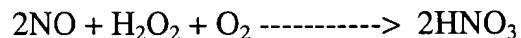


7. (Original) The process of claim 6 wherein NO<sub>x</sub> emissions are reduced to a level below 40 ppm.

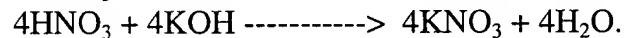
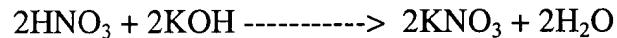
8. (Currently Amended) A process for reducing NO<sub>x</sub> emissions in a gaseous combustion effluent stream from a land-based gas turbine containing oxides of nitrogen NO

and NO<sub>2</sub> and for producing a potassium nitrate fertilizer as a byproduct comprising the steps of:

a) adding hydrogen peroxide to the effluent stream in sufficient amounts to generate nitric acid by first stage reactions as follows:



b) adding sufficient potassium hydroxide to the stream to generate the potassium nitrate fertilizer in second stage reactions as follows:



9. (Original) The process of claim 8 wherein the hydrogen peroxide is added in aerosol form.

10. (Currently Amended) The process of claim 8 wherein the potassium hydroxide is added to the stream in particulate form.

11. (Original) The process of claim 8 wherein NO<sub>x</sub> emissions are reduced to a level below 40 ppm.